

# EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 62148580  
PUBLICATION DATE : 02-07-87

APPLICATION DATE : 24-12-85  
APPLICATION NUMBER : 60289442

APPLICANT : NIPPON KEIKOU KAGAKU KK;

INVENTOR : IMURA HIDEAKI;

INT.CL. : C09D 11/00 C09D 11/00

TITLE : FLUORESCENT INK

ABSTRACT : PURPOSE: The titled ink suitable for printing for information recording paper, etc., having improved clarity of color tone, shelf stability, drying resistance of pen point, water resistance and light resistance, obtained by subjecting a monomer mixture containing a cyano group-containing vinyl monomer to emulsion polymerization and dyeing the emulsified polymer with fluorescent dye.

CONSTITUTION: A monomer mixture comprising (A) 20~80wt% cyano group containing vinyl monomer (e.g., acrylonitrile, etc.), (B) 0.5~20wt% (i) ethylenic unsaturated monomer containing sulfonic group or its salt or (ii) the component i and a monomer containing hydroxyl group, carboxyl group, amino group, carbamoyl group or a group derived from them and halogen atom and a vinyl monomer (e.g., styrene, etc.) except the component B is subjected to emulsion polymerization to give an emulsified polymer having  $\leq 0.5\mu$  particle diameter, which is dyed with fluorescent dye to give the aimed ink. For example, vinylsulfonic acid, etc., as the component i and acrylic acid, etc., as the component 11 is preferably used, respectively.

COPYRIGHT: (C)1987,JPO&Japio